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Amendment
Attorney Docket No. S63.2f-6925-US02

Amendments To The Claims:

1. (Currently Amended) A stent delivery system for transporting and deploying an expansible stent, said stent delivery system comprising:
 - A) delivery means for positioning the stent at a selected position in the patient's body, said delivery means including a sheath normally overlying the stent in its compact transport form and an inner core normally underlying the stent in its compact transport form, and
 - B) deployment means for selectively deploying and retracting the stent relative to said sheath, said deployment means including ~~a ring~~ at least two rings attached to and extending from said inner core and engaging the stent in its compact condition.
2. (Currently Amended) A stent delivery system as recited in claim 1 wherein the outer diameter of at least one of said ring rings is greater than the minimum inner diameter of the stent in its compacted form.
3. (Currently Amended) A stent delivery system as recited in claim 2 wherein at least one of said ring engages rings engage the stent proximate a proximal end of the stent in its compacted delivery state.
4. (Original) A stent delivery system as recited in 3 wherein said delivery means further includes a handle disposed at a proximal end of said sheath and said inner core, said handle having a first actuator means for proximally retracting said sheath relative to said inner core and second actuator means for distally displacing said inner core relative to said sheath, such that selective manipulation of said first and second actuator means enables selective deployment of the stent in an expanded form outside of said sheath and retraction of the stent within said sheath from a partially deployed state.
5. (Original) A stent delivery system as recited in claim 1 wherein said delivery system is adapted for use in the working channel of an endoscopic device of the type having a viewing

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channel, said catheter including visible indicia proximate its distal end visible through the viewing channel of the endoscopic device indicating the extent of deployment of the stent.

6. (Original) A stent delivery system as recited in claim 5 wherein said delivery means further includes a handle disposed at a proximal end of said sheath and said inner core, said handle having a first actuator means for proximally retracting said sheath relative to said inner core and second actuator means for distally displacing said inner core relative to said sheath, such that manipulation of said first and second actuator means enables selective deployment of the stent in an expanded form outside of said sheath and retraction of the stent in the compact form within said sheath.

7. (Currently Amended) A stent delivery system as recited in claim 1 ~~further comprising~~ wherein a second ring is axially spaced from said first ring, said first and second rings engaging the stent proximate a proximal end of the stent in its compacted delivery state.

8. (Original) A stent delivery system as recited in claim 7 wherein said delivery means further includes a handle disposed at a proximal end of said sheath and said inner core, said handle having a first actuator means for proximally retracting said sheath relative to said inner core and second actuator means for distally displacing said inner core relative to said sheath, such that manipulation of said first and second actuator means enables selective deployment of the stent in an expanded form outside of said sheath and retraction of the stent within said sheath from a partially deployed condition in the compact form.

9. (Original) A stent delivery system as recited in claim 8 wherein said delivery system is adapted for use in the working channel of an endoscopic device of the type having a viewing channel, said catheter including visible indicia proximate its distal end visible through the viewing channel of the endoscopic device indicating the extent of deployment of the stent.

10. (Cancelled)

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11. (Original) A stent delivery system as recited in claim 1 wherein said delivery system is adapted for use in the working channel of an endoscopic device of the type having a viewing channel, said catheter including visible indicia proximate its distal end visible through the viewing channel of the endoscopic device indicating the extent of deployment of the stent.

12. (Currently Amended) In an elongated, tubular stent delivery system with a distal end including a sheath and a flexible core at a distal end for overlying and underlying, respectively, a stent carried at a distal end of the delivery system in a compact form and for transport within a patient's body for selective deployment in an expanded form within a patient's vessel, and a proximal end including a first handle portion connected to the sheath and a second handle portion connected to the core to enable relative axial displacement of the sheath and the core, the improvement comprising ~~a thin ring attached~~ at least two rings engaged to and extending from the core to engage a stent disposed in a compact form within said sheath such that upon the displacement of the sheath relative to the core the stent moves ~~with said ring~~ relative to the sheath.

13. (Currently Amended) A tubular stent delivery system as recited in claim 12 wherein each of said ring rings has an outer diameter D_r , such that $D_r > ID_{min}$, the minimum inner diameter of portions of the stent in its compacted form.

14. (Currently Amended) A tubular stent delivery system as recited in claim 13 wherein at least one of said ring rings engages the stent proximate a proximal end of the stent in its compacted delivery state.

15. (Currently Amended) A tubular stent delivery system as recited in claim 14 wherein said stent has a portion with an inner diameter ID_{max} disposed between portions of the stent having its minimum inner diameter where $ID_{min} < D_r < ID_{max}$ and each of said ring rings is disposed intermediate the minimum inner diameter portions.

16. (Original) A tubular stent delivery system as recited in claim 15 wherein said delivery

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system is adapted for use in the working channel of an endoscopic device of the type having a viewing channel and the distal end of the tubular stent having indicia proximate the distal end of the core, said indicia being of the type visible through the viewing channel of an endoscopic device and indicating the extent of deployment of the stent.

17. (Currently Amended) A tubular stent delivery system as recited in claim 12 further ~~comprising wherein~~ a second ring is secured to the core proximate to and axially spaced from ~~said a~~ first ring, wherein said first and second rings are proximally spaced from a distal end of the stent in its compacted delivery state.

18. (Cancelled).

19. (Cancelled).

20. (Currently Amended) A method for delivering and selectively deploying a stent comprising the steps of:

- A) inserting within the body of a patient an axially extending catheter, the catheter having an exterior sheath, with a stent in a compact form proximate a distal end of the catheter that underlies the sheath and overlies ~~a ring~~ at least two rings,
- B) urging the distal end of the catheter through the patients body to position the distal end at a selected location, and
- C) selectively displacing the ~~ring~~ rings relative to the sheath to urge the displacement of said stent relative to the sheath to enable selective extension and retraction of the stent relative to a distal end of the sheath.

21. (Cancelled).

22. (Original) A method for delivering and selectively deploying a stent as recited in claim 20 wherein the stent is self-expansive and said step of displacing the stent distally of the sheath enables deployment of the stent engaging step includes engaging the inner surface of the stent

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between portions of the stent having a minimum inner diameter.

23. (Cancelled).